

**WHAT IS CLAIMED IS:**

1. A method of calibrating, comprising:
  - detecting a conductive area;
  - detecting a reflective area; and
- 5 determining a position based on said steps of detecting.
2. The method of claim 1, wherein the position comprises three coordinates.
3. The method of claim 1, wherein the step of detecting a conductive area is performed by an electrical sensor of a gripper device.
4. The method of claim 1, wherein the step of detecting a reflective area is performed
- 10 by an optical sensor of a sample arm.
5. The method of claim 4, wherein the sample arm includes a gripper device having fingers, and wherein the optical sensor projects a light beam between the fingers.
6. The method of claim 1, wherein the reflective area is located on a circular member, the circular member comprising one of a sample tray and a rotating table.
- 15 7. The method of claim 1, wherein the conductive area is located on a circular member, the circular member comprising one of a sample tray and a rotating table.
8. The method of claim 6, wherein the circular member is a rotating table, and wherein the rotating table is coupled to a sample tray.
9. The method of claim 7, wherein the circular member is a rotating table, and
- 20 wherein the rotating table is coupled to a sample tray.
10. The method of claim 6, wherein the position is the location of a well on the sample tray.

11. The method of claim 7, wherein the position is the location of a well on the sample tray.
12. The method of claim 1, wherein the reflective area is located on a cell.
13. The method of claim 1, wherein the reflective area is located on a calibration
- 5 fixture coupled to a cell.
14. The method of claim 1, wherein the conductive area is located on a cell.
15. The method of claim 1, wherein the conductive area is located on a calibration fixture coupled to a cell.